PRODUCT DATA SHEET

CD68 (ABT-CD68) mouse mAb

Catalog No.	IML0041
Reactivity	Human
Applications	IHC, IF, ELISA
Gene Name	CD68
Protein Name	Macrosialin (Gp110) (CD antigen CD68)
Human Gene Id	968
Swiss-Prot	P34810
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse:IgG1, kappa
Dilution	IHC 1:50-200; IF 1:200-1:1000; ELISA 1:500-5000
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	0.71mg:mL
Storage&Stability	-20°C:1 year
Background	This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal:endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms.
Subcellular Location	Cytoplasmic, Membranous
BiowMW	35kD (Calculated) 100-110kD (Observed)

Products Images:



Immunohistochemical analysis of paraffin-embedded Acute myeloid leukemia. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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Immunohistochemical analysis of paraffin-embedded Lymphoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

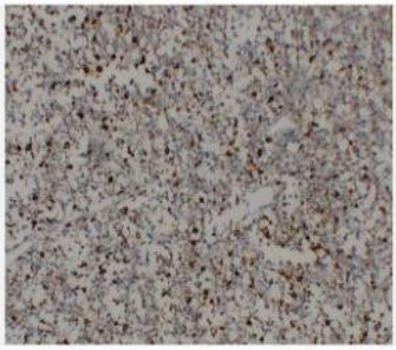


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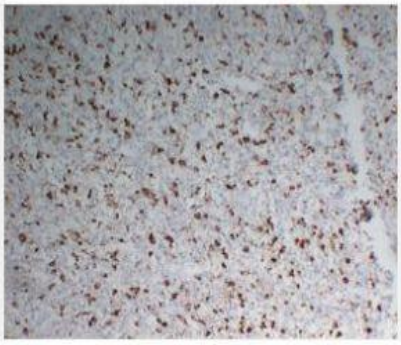


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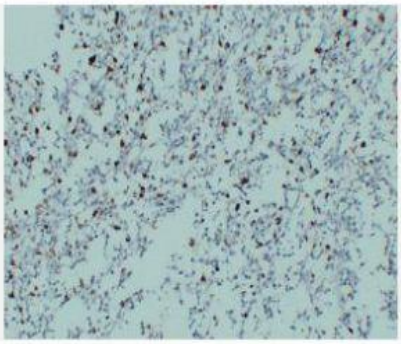
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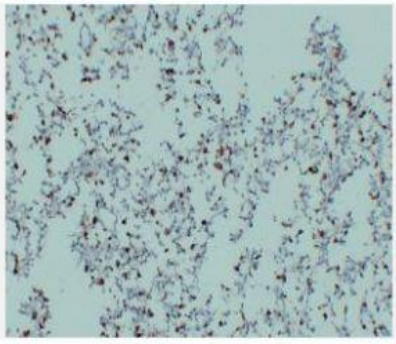
Immunohistochemical analysis of paraffin-embedded Malignant fibrous histiocytoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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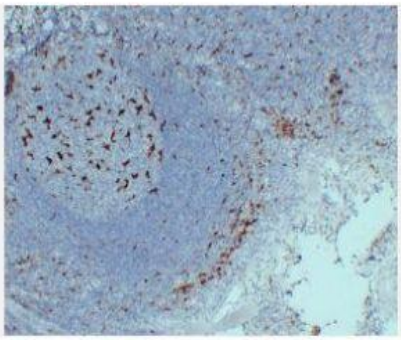


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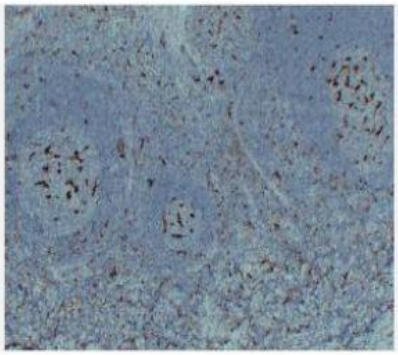


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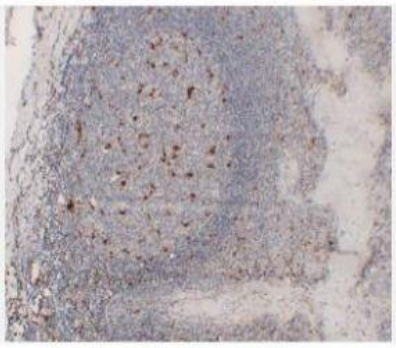


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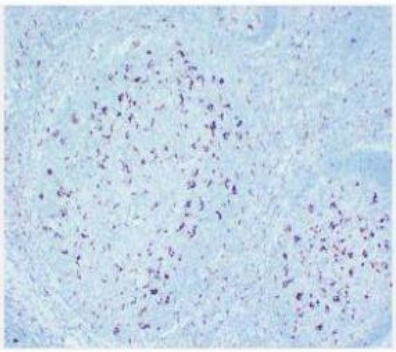


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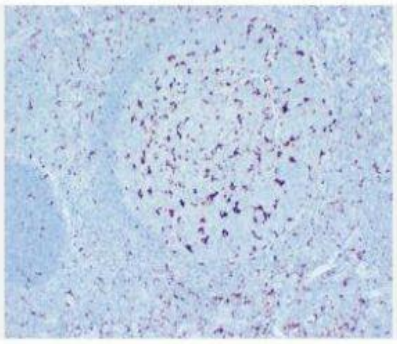
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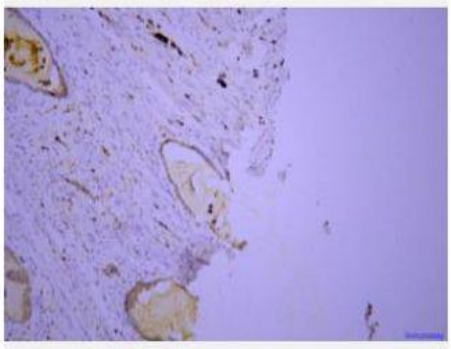
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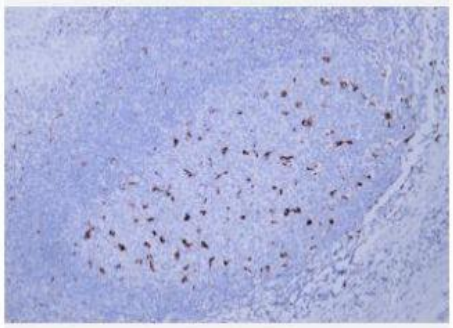


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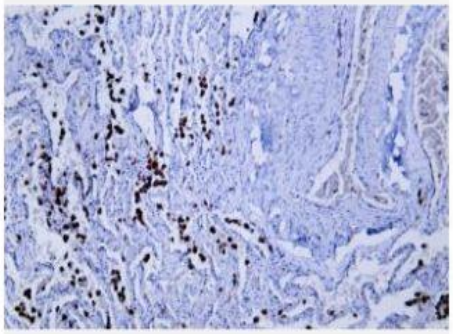


Immunohistochemical analysis of paraffin-embedded human prostate Antibody was diluted at 1:200(4° overnight).

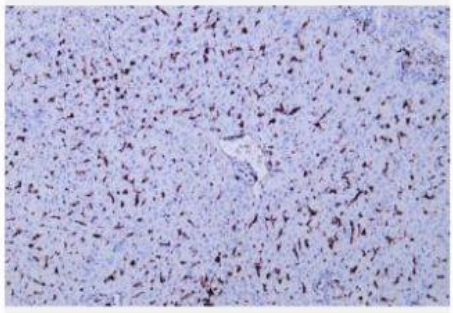
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Human tonsil tissue was stained with Anti-CD68 (ABT-CD68) Antibody



Human lung tissue was stained with Anti-CD68 (ABT-CD68) Antibody



Human liver tissue was stained with Anti-CD68 (ABT-CD68) Antibody